Index of Claims



Application/Control No.

09/899,075 Examiner

Date

Jason M. Borlinghaus

Applicant(s)/Patent under Reexamination

HOSHINO, SATOSHI

Art Unit

3693

1	Rejected
11	Allowed

-	(Through numeral) Cancelled
÷	Restricted

N	Non-Elected
ı	Interference

A	Appeal
0	Objected

Claim Date Claim Image: Line Section of the control of the cont								l		L	<u> </u>							_
Te Fig. Fi	-	, 	_										CI-					_
1 + 2 + 3 + 5 + 5 + 6 + 7 + 8 + 9 + 10 + 60 + 61 + 62 + 63 + 64 + 65 + 66 + 67 + 68 + 67 + 68 + 67 + 68 + 69 + 20 + 70 + 71 + 22 + 23 + 24 + 27 + 76 + 27 + 78 + 29 + 30 + 31 + 32 +	Cla	Claim				ᆣ	Jate	<u> </u>			_		Cla	ıım		_		_
2 + 52 53 54 55 53 54 54 55 56 57 8 55 56 57 8 8 58 59 9 59 10 60 60 60 61 61 62 63 63 64 64 62 63 64 64 64 64 65 66 66 67 77 78 68 68 69 90 <td>Final</td> <td>Original</td> <td>3/18/07</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Final</td> <td>Original</td> <td></td> <td></td> <td></td> <td></td>	Final	Original	3/18/07										Final	Original				
2 + 52 53 54 55 53 54 54 55 56 57 8 55 56 57 8 8 58 59 9 59 10 60 60 60 61 61 62 63 63 64 64 62 63 64 64 64 64 65 66 66 67 77 78 68 68 69 90 <td></td> <td>1</td> <td>+</td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>51</td> <td>\neg</td> <td></td> <td></td> <td>Γ</td>		1	+	_										51	\neg			Γ
3 + - 53 54 54 55 55 55 55 56 7 + 56 57 57 8 + 56 57 7 8 + 58 59 10 - 60 60 10 - 60 60 11 - 60 61 11 - 62 - 63 - 64 - 62 - - 63 - - 66 - - 66 - - - - 66 - - - - - - - - - - - - - - - - - - - -			+											52				Г
4 + 54 55 56 55 56 55 56 57 8 57 8 57 8 59 59 59 60 60 60 61 61 61 62 63 63 63 63 63 64 64 64 65 66 66 67 66 66 67 67 68 68 69 69 69 69 69 69 69 60 70 70 71 71 72 </td <td></td> <td>3</td> <td>+</td> <td></td> <td>53</td> <td></td> <td></td> <td></td> <td>Γ</td>		3	+											53				Γ
6 + 56 57 58 8 + 58 59 59 60 60 61 61 62 63 63 64 62 63 63 64 64 64 64 65 66 66 67 68 68 69 70 70 71 71 72 72 73 73 73 73 73 73 73 73 74 74 74 74 74 74 75 75 75 75		4	+											54				
7 + 8 + 9 + 10 + 60 61 11 + 62 62 13 + 65 63 66 64 67 66 67 66 67 66 67 68 69 70 21 71 22 70 23 73 24 74 25 76 26 76 27 77 28 79 30 80 31 81 32 83 33 84 34 84 35 86 37 88 39 89 40 90 41 92 43 94 44 94 45 96 47 97			+				i							55				
8 + 58 9 + 60 11 + 61 11 + 62 13 + 63 14 + 64 15 + 65 16 66 67 17 67 68 19 69 69 20 70 71 21 72 72 23 73 73 24 74 74 25 75 75 26 76 77 28 79 80 30 80 81 31 81 82 33 84 85 36 86 87 38 88 89 40 90 90 41 91 92 43 94 94 44 94 94			+											56				L
9 + 59 10 + 60 11 + 62 13 + 63 14 + 65 16 65 16 66 17 67 18 68 19 69 20 70 21 71 22 73 23 74 24 74 25 76 27 78 29 79 30 80 31 81 32 83 33 84 35 85 36 86 37 85 38 88 39 90 41 91 42 92 43 94 44 94 45 96 47 97 48 98 49 99			+					_	<u> </u>	_								L
10 + 60 11 + 66 12 + 63 13 + 64 15 + 65 16 66 17 67 18 68 19 69 20 70 21 71 22 72 23 73 24 74 25 76 26 76 27 77 28 78 29 79 30 80 31 81 32 83 33 84 34 84 35 85 36 86 37 87 88 89 40 90 41 91 42 92 43 94 44 94 45 96 47 97 48	ļ		⊢-						<u> </u>					58				L
111 + 61 12 + 62 13 + 63 14 + 64 15 + 65 16 66 17 67 18 68 19 69 20 70 21 71 22 72 23 73 24 74 25 75 26 76 27 77 28 78 29 79 30 80 31 81 32 83 33 83 34 84 35 85 36 86 37 87 38 89 40 90 41 91 42 92 43 94 44 94 45 96 46 97 47 97 48 99 <td></td> <td></td> <td>├</td> <td></td> <td></td> <td>L</td> <td>L.,</td> <td></td> <td></td> <td>ļ</td> <td></td> <td> </td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td>L</td>			├			L	L.,			ļ							-	L
12 + 62 13 + 63 14 + 65 15 + 65 16 67 17 67 18 68 19 69 20 70 21 71 22 72 23 73 24 74 25 75 26 76 27 77 28 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 88 39 89 40 90 41 91 42 92 43 94 44 94 45 96 46 96 96 96 97 99	<u> </u>		-			<u> </u>			<u> </u>	_				60	-			L
13 + 63 64 14 + 65 66 15 + 66 67 16 67 68 68 19 69 69 69 20 70 71 72 23 73 74 74 25 75 75 76 27 77 77 77 28 78 80 80 31 81 82 83 33 84 84 84 35 86 85 86 37 87 88 89 40 90 90 90 41 91 92 93 44 94 95 95 46 96 96 97 48 99 99 99			-	_			<u> </u>	_	<u> </u>	_	<u> </u>			67			_	┝
14 + 64 15 + 65 16 66 67 18 68 69 19 69 69 20 70 71 22 72 72 23 73 74 25 75 76 27 77 78 28 78 79 30 80 81 31 81 82 33 84 84 35 86 86 37 87 87 38 88 88 39 89 90 41 90 90 41 91 91 42 92 93 43 94 94 45 96 96 47 96 97 48 99 99			├			<u> </u>	_		<u> </u>	<u> </u>				62			-	┝
15 + 65 66 17 66 67 68 19 68 69 70 21 71 71 72 72 23 73 74 72 73 74 74 74 75 75 76 77 78 79 79 30 80 81 82 83 81 82 83 83 83 83 83 84 35 86 86 87 38 88 88 88 89 90 90 90 90 91 92 93 94 94 94 94 95 96 96 96 96 98 98 99	-		-	⊢		-		┝	\vdash	-				64			_	┝
16 66 17 68 19 68 20 70 21 71 22 72 23 73 24 74 25 75 26 76 27 77 28 79 30 80 31 81 32 83 33 84 35 85 36 86 37 85 38 88 39 40 41 91 42 92 43 94 44 94 45 96 47 97 48 98 49 99			-	⊢			-	-	\vdash	\vdash	\vdash			65	\vdash		 	┝
17 18 67 68 19 69 70 71 21 72 72 73 24 74 74 74 25 76 77 78 29 79 30 80 31 81 82 33 84 84 35 86 85 36 86 87 38 88 89 40 90 90 41 91 91 42 92 93 43 94 94 45 96 96 47 97 98 49 99 99			Ť	⊢		-	_	-	\vdash	\vdash	\vdash							┢
18 68 19 69 20 70 21 71 22 73 23 73 24 74 25 75 26 76 27 77 28 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 44 94 45 96 47 97 48 98 49 99	\vdash			-		-	}			-				67	\vdash			H
19 69 20 70 21 71 22 73 23 73 24 74 25 75 26 76 27 77 28 79 30 80 31 81 32 82 33 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 45 96 47 97 48 98 49 99			-	\vdash						 								H
20 70 21 71 22 72 23 73 24 74 25 75 26 76 27 77 28 79 30 80 31 81 32 82 33 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 94 45 96 47 97 48 98 49 99							_	\vdash						69				Γ
22 72 23 74 25 75 26 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 44 94 45 96 47 97 48 98 49 99		20												70				Γ
23 73 24 74 25 75 26 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 44 94 45 96 47 97 48 98 49 99		21											·	71				
24 74 25 75 26 76 27 77 28 77 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 94 45 96 47 97 48 98 49 99		22								L.				72				L
26 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 44 94 45 96 47 97 48 98 49 99	L	23		<u> </u>					_	<u> </u>	_			73	Щ		_	L
26 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 44 94 45 96 47 97 48 98 49 99		24	<u> </u>	<u> </u>	<u> </u>	<u> </u>		ļ	<u> </u>		_	ļ		74				L
27 28 77 78 79 30 80 81 82 83 81 82 83 83 84 85 85 85 86 87 88 88 89 89 89 89 90 90 91 91 91 92 93 94 94 95 96 97 98 98 99 <td< td=""><td>ļ</td><td></td><td>⊢</td><td>_</td><td><u> </u></td><td><u> </u></td><td>_</td><td></td><td>_</td><td></td><td>1</td><td></td><td></td><td>75</td><td></td><td></td><td></td><td>┞</td></td<>	ļ		⊢	_	<u> </u>	<u> </u>	_		_		1			75				┞
28 78 29 79 30 80 31 81 32 83 33 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 94 45 96 47 97 48 98 49 99			⊢	⊢	┝	-	 		-								┝	┝
29 79 30 80 31 81 32 82 33 84 35 85 36 86 37 87 38 88 39 90 40 90 41 91 42 92 43 94 44 94 45 96 47 97 48 98 49 99			-	<u> </u>				H	⊢			1		78			-	⊦
30 80 31 81 32 82 33 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 44 94 45 96 47 97 48 98 49 99			├	Η-		\vdash		-		├		ł			-		\vdash	H
31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 45 96 47 97 48 98 49 99	-		 	╁		\vdash	\vdash	-	\vdash	┝	-			80				t
32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 96 47 97 48 98 49 99			┢	t	H			-		\vdash	 	1		81	_			T
33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 94 44 94 45 96 47 97 48 98 49 99			T	_		Т					 	1		82	Г			T
34 84 35 85 36 86 37 88 39 89 40 90 41 91 42 92 43 93 44 94 45 96 47 97 48 98 49 99			ı	1	Г	Π						1		83				Г
37 87 38 88 39 90 40 91 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99				Γ		Г						j		84				Γ
37 87 38 88 39 90 40 91 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99		35												85				L
38 88 39 90 40 91 41 92 43 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99		36								L	L			86				L
39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99			L				_								<u> </u>	L	L.	L
40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99	<u> </u>		<u> </u>	<u> </u>	<u>L</u>		<u> </u>	L.	L	L_	<u> </u>	1	<u> </u>	88	<u> </u>	_	<u> </u>	L
41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99	<u> </u>		<u> </u>	_	_		<u> </u>	 	<u> </u>	<u> </u>	\vdash	1	<u> </u>	_	<u> </u>	<u> </u>		1
42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99		40	\vdash	-		<u> </u>	┝		├	┡	┝	ł	ļ	90	_			╀
43 93 44 94 45 95 46 96 47 97 48 98 49 99	<u> </u>		\vdash	\vdash	\vdash	\vdash	-	⊢		-	\vdash	ł		97	\vdash	\vdash	-	+
44 94 45 95 46 96 47 97 48 98 49 99	\vdash		╁	\vdash	-	-	-	├	\vdash	⊢	-	ł	├─	92	-	┝	├	H
45 95 96 96 97 48 98 99 99		44	\vdash	\vdash	\vdash	\vdash	+-	\vdash	\vdash	\vdash	\vdash	1	\vdash	94	_	\vdash	\vdash	t
46 96 97 97 48 98 99 99			╁╌	\vdash	<u> </u>	H	 	\vdash	+	T	\vdash	1			\vdash	-	\vdash	+
47 97 98 98 99 99 99			t		\vdash	Н	\vdash	T	Η	T	\vdash	1	l —	96	Т	Г	Т	T
48 98 99			T			1	1	Π	Г	1		1		97			Г	T
49 99 99		48	L		L]		98				Γ
50			匚								Ĺ	Į		99	\Box	\Box	\Box	Ĺ
	L	50	<u> </u>	L	<u> </u>	<u>L</u>	L	L_	L	<u> </u>	<u> </u>	J	L	100	L		_	L

	Final	Original									
- 1		51	\neg		_	\vdash				_	\dashv
-		51 52 53	-	_	_	-	\vdash				\dashv
		52	_	_		-		_	_		-
		53				_					
		54				$ldsymbol{lder}$					
		55									
		54 55 56									
		57									
- 1		58 59									
.		59									
- 1		60			_						\neg
- 1		60 61			-	-	_				
- 1		62	-		_	┝			_		
		62			-	-			-		\dashv
		63 64 65			\vdash			-		_	\vdash
		04			<u> </u>	_					\vdash
ļ		65								_	\vdash
-		66 67	\Box				_		_		Ш
		67									
		68				_					
		69					L				
		68 69 70									
		71									
		72				Γ					
		73				Г					
		74		_	Г		Г				
i		75									
		71 72 73 74 75 76 77 78 79 80				Г					
		77									
		78									
		79									
		80	_			_	_	\vdash			П
		81			\vdash	_	\vdash	\vdash	-	-	
		82	-	_	-		_		\vdash	\vdash	\vdash
		82 83		_	┢	-		├	-	┢	\vdash
		03		_	-	\vdash	-	Ь—	-	┝	-
		84 85		_	-	-	├─	-	<u> </u>	-	-
		85		_		<u> </u>	 	<u> </u>	<u> </u>	 	<u> </u>
		86			_	<u> </u>		<u> </u>	Ļ	<u> </u>	\vdash
		87		_		L	_	ļ.,	_		_
		88			L.	_		Ļ.	<u> </u>		_
		89				<u> </u>	_	<u> </u>	<u> </u>		
		90			ļ	_	_		<u> </u>	_	_
		91			<u> </u>	_	<u> </u>	_	<u> </u>	<u>_</u>	
		92	L.	L		_	L				
	آا	93					匚	<u></u>		oxdot	oxdot
		94						L			
		95									
		96	L	L	L	L	L	L	L	L	
		97							Γ		
		98					Ĺ				
		99			Г					Π	
		100				T	1			T	

Cli	aim		_		- [Date				\neg
a	Original									
Final	rigi									
_	0									
-	101			Н					\neg	\neg
	101 102					_		_		$\overline{}$
	103					_	_			
	104									
	105									
	106									
-	107									
	108									
	109									
	110									
	111									
	112									
	112 113									
	114 115									
	115									
	116									
	117									
	118									_
	119									
	120 121									
	121						_			
	122			$oxed{oxed}$		<u> </u>	<u> </u>			\dashv
	123				_	ļ	ļ			
	124	_		_	<u> </u>		ļ.			_
	125 126	-				_	<u> </u>	-	_	
	127		-			\vdash	\vdash	┝	_	
	128	-						-	_	
	128 129		_	-		-				-
	130	-		\vdash	_					\dashv
	131	_	$\overline{}$		-		 			\dashv
	132			1	\vdash	-	_	<u> </u>		
	133	<u> </u>		Г		<u> </u>		Г		\dashv
	134			Г	Г		ı			\Box
	135	Г	Г	П		T		Г	Г	
	136		Г							
	137							Г	Г	
	138									
Ĺ	139									
	140	<u> </u>	L		<u> </u>	$oxedsymbol{oxedsymbol{oxedsymbol{eta}}}$	$oxedsymbol{oxedsymbol{oxedsymbol{eta}}}$	<u> </u>	L.	Ш
	141	<u> </u>	<u> </u>	<u> </u>	<u> </u>	_	<u> </u>	_		
<u> </u>	142	├	<u> </u>	_	L	<u> </u>	<u> </u>	<u> </u>	<u> </u>	dash
	143	 	<u> </u>	\vdash	L	-	1	 —	 	$\vdash \vdash$
 -	144	 	-	\vdash	 	\vdash		├	\vdash	$\vdash\dashv$
<u> </u>	145 146	\vdash	-	⊢	├	\vdash	\vdash		├	$\vdash\vdash$
├─	147	\vdash	\vdash	 	├─	\vdash	\vdash	-	 	$\vdash\vdash$
├─	148	\vdash	\vdash	├	\vdash	\vdash	\vdash	1	\vdash	$\vdash \vdash$
	149	 	Η-	\vdash	-	1	\vdash	 	 	$\vdash \vdash$
	150	\vdash	 	t		\vdash	\vdash	H	\vdash	$\vdash \vdash$
	, ,50		<u> </u>	11	<u></u>	1				